AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (Withdrawn) A signal distribution system comprising:

a wideband signal distribution system for distributing a plurality of non-IP, RF Modulated signals over twisted pair conductors; and,

an intelligent device for modulating single frequency carrier RF signals using IP digital data, wherein the intelligent device distributes said modulated single frequency RF signals onto said wideband signal distribution system,

said intelligent device including a combiner suitable for combining IP signal portions and the non-IP signal portions, and at least one modulator electrically connected to said combiner and suitable for modulating the signal output from the combiner into a modulated digital signal, and an RF converter section for further modulating the modulated digital signal to a set carrier channel.

2. (Currently Amended) A signal distribution system, comprising:

a wideband signal distribution system for distributing a plurality of RF modulated signals on 568 standard wiring; and[[,]]

at least one intelligent device for demodulating single frequency carrier RF signals ~~off of~~distributed from said wideband signal distribution system, ~~where in~~ wherein said single frequency RF signals comprise digital IP information, said at least one intelligent device including an RF splitter ~~suitable~~ for splitting said

modulated single frequency RF signal into an IP digital signal portion containing said IP information and a non-IP RF modulated signal, a bandpass filter for filtering a predetermined band of the RF signal from the IP digital signal portion, and a demodulator electrically connected to an output of said RF splitter for demodulating the IP digital signal portion split by said RF splitter and filtered by said bandpass filter.

3. (Currently Amended) The system of claim 2, comprising:

at least one addressable device having at least one input and at least one output; and[[,]]

a COS identification processor for determining a quality of service needed for said IP digital signal portion, and selecting a suitable one of said RF carriers based on the determined quality of service.

4. (Currently Amended) The system of claim 3,

wherein said at least one intelligent device uses an existing media control access layer of ~~the~~ a network through which said wideband signal distribution system and said at least one intelligent device are connected in order to control the sharing of media channels among multiple addressable devices in ~~the~~ said signal distribution system.

5. (Currently Amended) A signal distribution system over a network, comprising:

a wideband signal distribution system for distributing a plurality of non-IP, RF modulated signals;

at least one intelligent device for demodulating single frequency carrier RF signals ~~off of~~ distributed from said wideband signal distribution system, wherein said single frequency carrier RF signals comprise IP digital information, said at least one intelligent device including an RF splitter ~~suitable~~ for ~~receiving~~ splitting said modulated single frequency RF signal into at least an IP signal portion and the non-IP RF modulated signal, a bandpass filter for filtering a predetermined band of the RF signal from the IP signal portion, and at least one demodulator electrically connected to said RF splitter and ~~suitable~~ for demodulating at least the IP signal portion split by said RF splitter and filtered by said bandpass filter;

wherein said at least one intelligent device uses an existing media control access layer of the network in order to control the sharing of media channels among multiple addressable devices in the system.

6. (Withdrawn) The system of claim 1, wherein the wide band distribution system comprises a broadband uniform distribution unit configured to output signals over the twisted pair conductors.

7. (Withdrawn) A device for distributing wide bandwidth signals over twisted pair conductors, the device comprising:

a combiner for combining input signals received from plural addressable devices into a single serial datastream;

a modulator for modulating the single serial datastream into a first modulated signal;

an RF converter for modulating the first modulated signal to a set carrier frequency for distribution;

an RF signal splitter configured to receive modulated RF signals and differentiate the received signals into IP signals and non-IP signals, wherein the RF signal splitter outputs the IP signals to a first bandpass filter and the non-IP signals to a second bandpass filter;

a demodulator for demodulating the IP signals output from the first bandpass filter; and

outputs for outputting the demodulated IP signals to one of the plural addressable devices over twisted pair conductors and the filtered, non-IP signals to standard outlet.

8. (Withdrawn) The device of claim 7, wherein the standard outlet is configured as a standard RF television or computer outlet.

9. (Withdrawn) A signal distribution system, comprising:

a plurality of addressable devices;

a remote device outputting a modulated single frequency RF signal; and

an intelligent device comprising:

connections for outputting and receiving IP signal portions and non-IP signal portions received from one of the plurality of addressable devices and for outputting receiving the modulated single frequency RF signal from the remote device;

a traffic sensing device for detecting the volume of data in the IP signal portions and the non-IP signal portions; and

a processor for controlling selection of a channel for distribution of a portion of the received modulated single frequency RF signal.

10. (New) The system of claim 2, wherein said at least one intelligent device comprises an RF level control circuit configured for conditioning said non-IP RF modulated signal split by said RF splitter to be within a predetermined specification.

11. (New) The system of claim 5, wherein said at least one intelligent device comprises an RF level control circuit configured for conditioning said non-IP RF modulated signal split by said RF splitter to be within a predetermined specification.